

Connor Neu, EIT

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Education:

Colorado State University (CSU) Fort Collins, CO

Bachelor of Science: **Chemical & Biological Engineering**

Minor: **Biomedical Engineering**

Registered in Colorado as Intern Engineer (EIT)

Professional Profile:

- Strong interpersonal skills established through group projects and teaming procedures.
- Self-sufficient and dedicated to learning and applying engineering concepts to real world problems.

Engineering Experience:

- November 2012–November 2013: Amgen – Manufacturing Associate
 - CIP/SIP Large stationary tanks, CIP Filter housings.
 - Batching media and other materials using SCADA and aseptic technique.
 - Manually cleaning areas/equipment and using a glass washer and autoclave.
 - Using MES, SAP and SMLIMS to properly control materials and samples.
 - Performing environmental monitoring and hood operations.
 - Using BGA, pH and conductivity meters, and osmometer testing units.
 - Assisted with start-up & shut-down operations for change out of HEPA filters throughout facility.
- Summer 2011: BioMARC – Facilities and Operations intern
 - Daily, weekly, and quarterly maintenance or repair of GMP equipment in BSL-2 labs and BSL-3 staging areas.
 - Creating, editing, and retiring relevant SOPs.
 - Coordination of repairs and calibration for outside companies.
- March–December 2011: Colorado State University Chemistry Department – Undergraduate Research Assistant:
 - Researching nanoparticle structure, chemistry, synthesis strategies, and applications to biological imaging.
 - Pioneering new chromatography methods for semi-preparative purification of giant ligated metal clusters by building and maintaining equipment for testing said methods.

Engineering Design Projects:

- Senior Design Project: Creating, optimizing, and costing of a 60 million gallon per year Bio-butanol plant using fermentation of switchgrass and *Clostridium beijerinckii* BA101.
- Creation of multiple Aspen diagrams of real world chemical processes (Fall 2011)
- Heat and mass transfer analysis of a hydrogen fuel cell we designed and built (Spring 2011).
- Mathematical analysis using a SIR model of infection with multiple models of linked ordinary differential equations (Fall 2010).

Computer Skills:

MATLAB, Polymath, FEHT, Aspen Plus, SCADA, MES, LIMS

Professional Memberships:

- American Institute of Chemical Engineers